

6A4/2874  
Amndt B  
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5/21/02

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of:  
Heideman et al.) Attorney Docket No.  
Serial No.: 09/693,803 ) 080743165002

Filed: October 20, 2000

) I hereby certify that this correspondence is being deposited with  
For: INTEGRATED OPTICAL ) the U. S. Postal Service as first  
LIGHTGUIDE DEVICE ) class mail in an envelope addressed  
on 5/21/02 to: Commissioner of Patents and  
Trademarks, Washington, D.C. 20591

Examiner: Kang, Juliana

) Erle A. Bowery

Group Art Unit: 2874

) Erle A. BowerySUPPLEMENTAL AMENDMENT AND RESPONSE

In response to the Office Action mailed April 9, 2002, please amend the above-identified application as follows:

In The Claims:

Cancel claim 13 and rewrite it as new claim 25.

25. A method for determining the amount of light passing through an

integrated optical lightguide device comprising the steps of:

providing a lightguide device;locating a light source at an entrance of said lightguide device;locating a light detector at an exit of said lightguide device;

transmitting light through said lightguide device in a direction of light

propagation;

locating several types of segments in said lightguide device, each type of segment

having a different refractive index profile wherein the refractive index profile of at least

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